

## **THE MODEL 7010SB ELECTRONIC SCALE**

The model 7010SB electronic scale is a user friendly ten pound / 5000 gram scale designed to assist the operator **in calculating the mailing costs of letters and parcels for selected USPS classes of mail.**

### **UNPACKING YOUR SCALE**

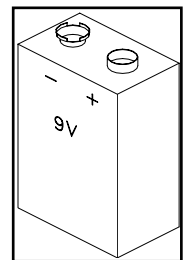
Carefully unpack and inspect the shipping container for evidence of shipping damage. If such evidence is discovered, stop unpacking and immediately notify the shipper to arrange to have the shipment inspected by an authorized representative. All damages must be promptly filed with the shipper.

1. Open the box and carefully remove the scale from the shipping carton (save the shipping carton for future use).
2. Place the scale on a flat level surface free from vibration.
3. Remove the AC adapter and the RS-232 interface cable from the packaging material.
4. Before using your scale please plug the scale into a power outlet and turn on the scale for 10 minutes. This will allow the scale to warm-up and ensure accurate weighing.

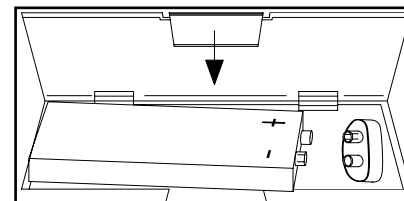
### **INSTALLING THE BATTERY**

#### **Use 9V ALKALINE BATTERY ONLY**

No other type provides a suitable power output. The manufacturer recommends Duracell MN1604 or Ever-Ready Gold Seal 6LF22.



**To fit the battery**, remove the cover on the underside of the scale and push the connector firmly onto the battery terminals. Refit the cover.

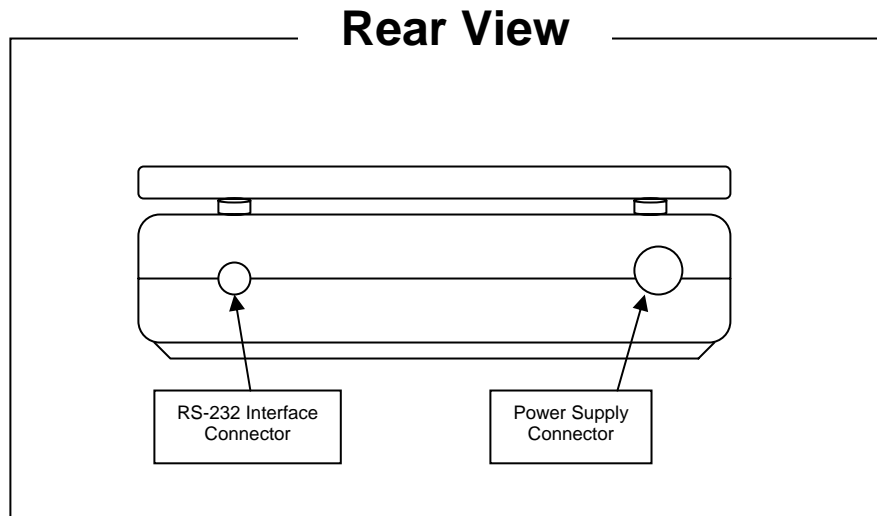




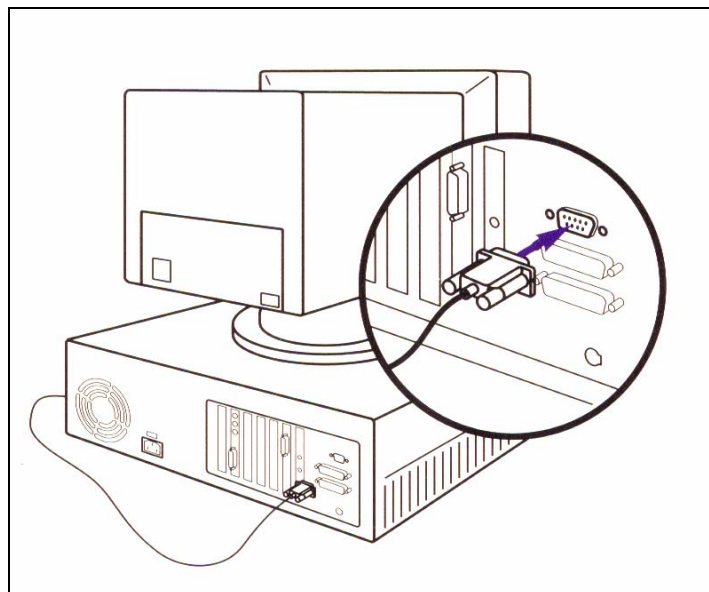
## SET-UP INSTRUCTIONS

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1. Apply power to the scale by first plugging the round connector into the scale (see below), then plugging the square AC adapter into an outlet.



2. Select an unused Serial DE-9 Communication Port located on the back of your PC (COM 1, 2, 3 or 4) and attach the communication cable provided to your PC. Attach the other end of the communication cable to the 7010SB scale in the SMALL plug jack located in the rear of the unit. See below:



## **FUNCTION KEYS**

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The Model 7010SB has three function keys to operate the scale. The ON(TARE), OFF, and lb-oz/ grams keys.

### **ON (TARE) KEY:**

The ON key performs two functions. First it applies power to the scale; second it tares the weight on the scale to zero. To use the “tare” feature:

1. Place an empty container on the weighing platform.
2. Press the ON key. Even though the container weight is on the weighing platform, the scale will display zero weight.
3. When an item is placed on the container, the scale only displays the weight of the item, not the weight of the container.
4. To reset the scale for no tare, remove the container and its contents from the weighing platform. Press the OFF key, then the ON key to reset the scale to zero weight.

(The tare function will work over the full weighing range of the scale but will not extend the overall capacity of the scale.)

***Important Note: It is recommended to press the “OFF key” then the “ON key” before placing an item on the scale. This will help ensure accurate weight readings.***

### **OFF KEY:**

This key turns off the power to the scale.

### **LB-OZ/ GRAMS:**

The lb-oz grams key is to switch between weighing lb-oz and grams, it is also used for entering into the calibration mode.

### **ZERO THE SCALE:**

The proper method of zeroing the scale is to press the “OFF” key, then turn the scale back on by pressing the “ON” key.

### **SLEEP MODE:**

The default setting for sleep mode is Off ( SLP0). If there is no activity, the scale will turn itself off after 30 seconds The sleep mode can be configured to On (SLP1) via software.

**Error Conditions – Shown in the scales display**

Below are the error conditions that may appear on the scale display.

**“- - - -” Under Capacity**

When the scale weight is below zero the scale will display all dashes (----) and transmit a status for this condition. This situation will likely occur after the use of tare when the tare weight is removed. To clear this indication, press the OFF key, then the ON key and the scale will re-zero.

**“Err” Over Capacity -**

When the scale is in an overload condition the scale will also display “Over” and transmit a status for this condition. In this case the weight applied to the scale is above the 10-pound limit; remove the weight from the scale to clear this indication.

**“Lo” Low Battery-**

When “Lo” is displayed replace the battery.

**ErrL, ErrH, 8888:**

The scale is damaged. If within warranty, return the scale to the factory.

**TROUBLE SHOOTING**

**Symptom**

**Recommended Action**

Not weighing correctly OR

Inaccurate weight. . . . .

Press OFF key, then the ON key before placing item on the scale.

OR

The scale may need re-calibration. See calibration instructions.

Weight fluctuates . . . . .

Press OFF key, then the ON key before placing item on the scale.

OR

Ensure scale is placed in a stable, level environment.

## SCALE CALIBRATION INSTRUCTIONS

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Periodically your scale may require calibration to ensure proper weighing. You will need a 10-pound weight to calibrate the scale. Scale calibration is accomplished, when needed, by the following instructions:

<u>Function</u>	<u>Scale Response</u>
1. Remove all weight from the scale	
2. Press and hold the "ON/TARE" key and press the "lb-oz/grams" key once . . . . .	"SLP0/SLP1"
3. Press the "ON/TARE" once to accept the sleep mode setting and enter into calibration mode. . . .	"64XX - 10XXX"
4. Press the "ON/TARE" key once to zero the scale. . . . .	"0"
5. Place 10 lbs on the scale . . . . .	"8,9XX - 10,000"
6. Press "ON/TARE" key once To accept calibration weight . . . . .	"CAL" then * "Err"
7. Press the "OFF" key to exit calibration mode.	
8. Remove the weight from the scale, press the "ON/TARE" key to continue the normal weighing mode.	

\* **Note:** The "Err" displayed after completing calibration does not indicate a calibration error. Since, the scale only weighs up-to 9 lbs. 15.5 oz., the ten pounds on the scale causes the displayed message "Err".

### 3.9 Sleep Mode Configuration

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The sleep mode can be changed, when needed, by the following instructions:

<u>Function</u>	<u>Scale Response</u>
Remove all weight from the scale	
Press and hold the “ON/TARE” key and press the “lb-oz/grams” key once . . . . .	“SLP0” (OFF)
Press the “lb-oz/grams” key to scroll to the next selection . . . . .	“SLP1” (ON)
Press the “OFF” key once to accept the sleep mode setting and exit .	

## **MODEL 7010SB TECHNICAL SPECIFICATIONS**

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Construction:	ABS Plastic
Capacity:	0-5lb. 8oz x 0.1 oz. / 5lb 8oz -9lb x 15.5oz x 0.5oz 0-2500g x 5g / 2501-5000 x 10g (grams Mode)
Accuracy:	+/- 2 divisions (0.2oz / 2g)
Display:	Large LCD
Unit Size:	8"W x 7.5"L x 2"H
Platter Size:	8"W x 5"L
Keypad:	Membrane switch with ON (Tare), OFF and lb-oz / grams selection.
Power Supply:	120 VAC, 60Hz Ac adapter with 6' power cord or 9 volt battery (battery not included)

## **CLEANING AND CARE**

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1. Handle the scale with care. Dropping the scale may cause damage to the loadcell, which will not allow the scale to weigh properly. This type of damage is considered abuse and violates the product warranty.
2. To avoid damage to the loadcell, never place objects on the scale that exceed 15 pounds.
3. Clean the scale with a slightly damp cloth. DO NOT immerse the scale in water or use chemical/abrasive-cleaning agents.
4. If the scale is not being used for a long period of time, remove the battery or turn off the scale.

## **WARRANTY**

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This product has a **90-day** warranty from the date of delivery against defects in material and workmanship. This warranty does not apply if the product was subject to misuse, neglect, damage or abuse.